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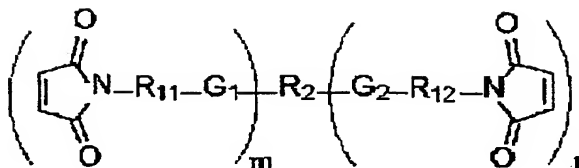
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APPLICANT : DAINIPPON INK & CHEM INC;

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TITLE : ACTIVE ENERGY BEAM CURABLE
COMPOSITION CONTAINING
MALEIMIDE DERIVATIVE FOR
SURFACE COATING OF WOODEN
MATERIAL AND CURING OF THE
COMPOSITION



ABSTRACT : PROBLEM TO BE SOLVED: To obtain an active energy beam curable composition curable with a practical and usual light intensity and exposed dose without using a general-purpose photopolymerization initiator which may cause malodor upon curing, and having excellent adherence to a wooden material by incorporating a maleimide derivative of a specified structure.

SOLUTION: An active energy beam curable composition for surface coating of a wooden material is obtained by containing a maleimide derivative represented by the formula (wherein (m) and (n) are each an integer of 0-6, and m+n is an integer of 1-6; R₁₁ and R₁₂ are each a hydrocarbon bond comprising an aliphatic group or an aromatic group; G₁ and G₂ are each an ether bond, an ester bond, a urethane bond, and a carbonate bond; R₂ is a polyether coupling chain or its residue obtained by bonding an aliphatic group and an aromatic group with an ether linkage, a polyester coupling chain or its residue bound with an ester linkage, a polyurethane coupling chain or its residue bound with a urethane linkage, or a polycarbonate coupling chain or its residue bound with a carbonate linkage, and its average molecular weight is 40-100,000).

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